



## Gulf of Mexico Harmful Algal Bloom Bulletin

10 May 2007

NOAA Ocean Service

NOAA Satellites and Information Service

Last bulletin: May 7, 2007

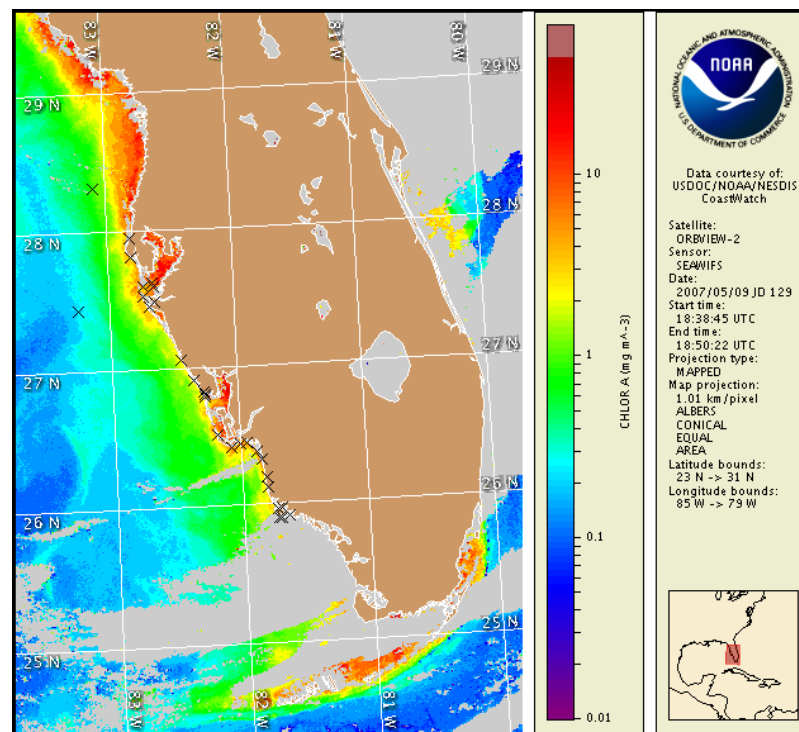
### Conditions Report

There is no indication of harmful algal bloom presence alongshore Southwest Florida, including the Keys region, at the present time. No impacts are expected in any Florida county today through Sunday.

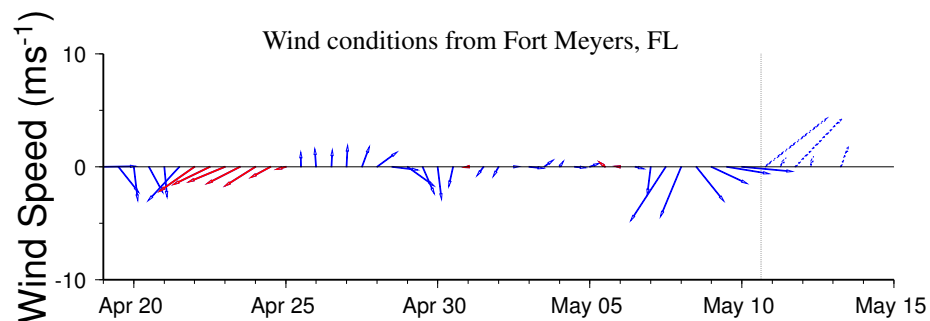
### Analysis

Sampling results indicate no presence of *Karenia brevis* in recent weeks with the exception of a few background concentrations found offshore of Pinellas and Manatee County (4/26, 5/4; FWRI). Imagery from May 9 continues to illustrate negligible chlorophyll levels along southwest Florida.

Keller, Urizar



Satellite chlorophyll image with possible HAB areas shown by red polygon(s). Cell concentration sampling data from April 30-May 8 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: [http://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)

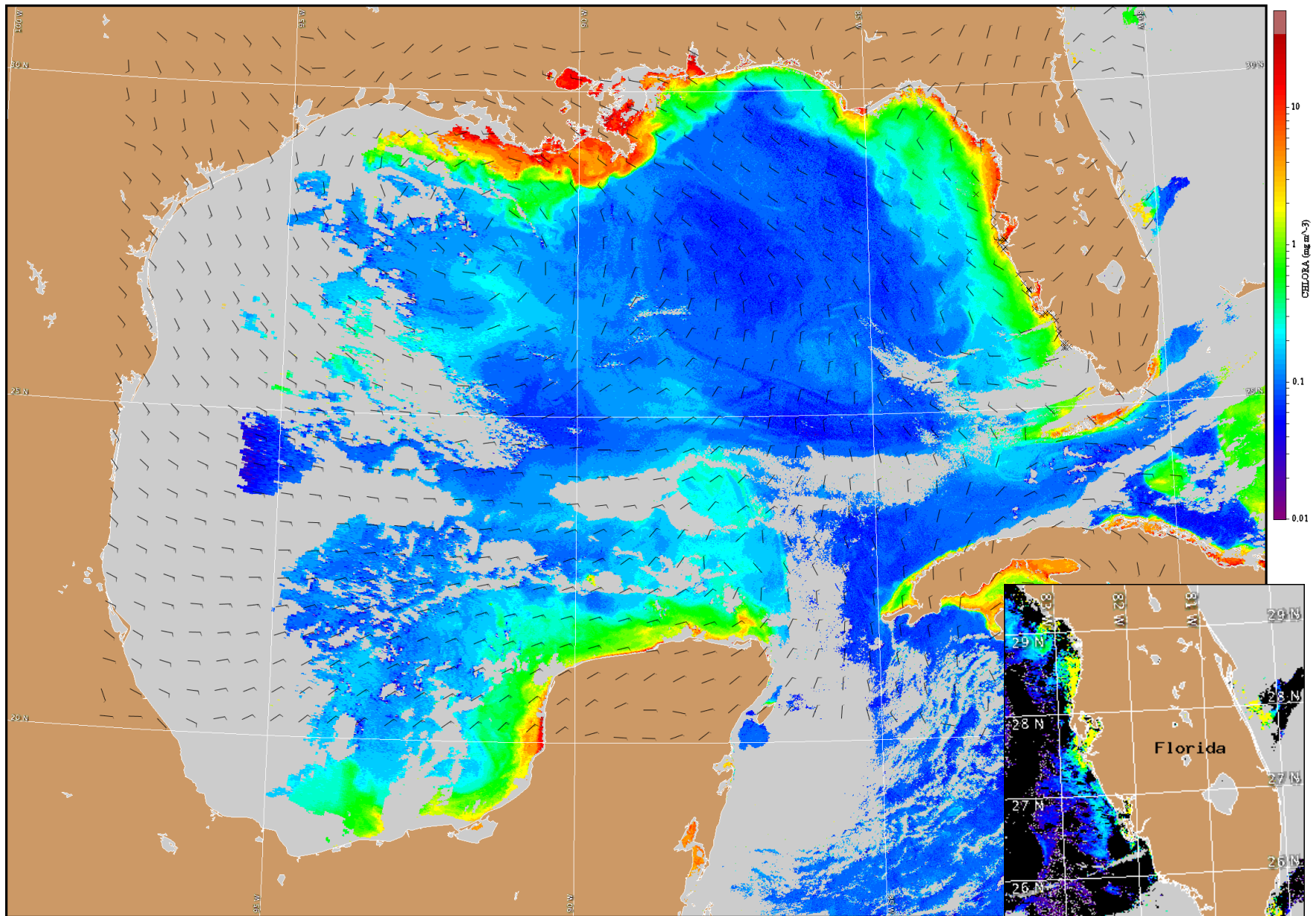


Wind speed and direction are averaged over 12 hours from buoy measurements. Length of line indicates speed; angle indicates direction. Red indicates that the wind direction favors upwelling near the coast. Values to the left of the dotted vertical line are measured values; values to the right are forecasts.

SW Florida: Northwestern winds today through Friday (10-15 knots; 5-8 m/s). Northerly winds Friday night (5-10 knots; 3-5 m/s), with variable winds on Saturday (5 knots; 3 m/s). Westerly winds Saturday night (10 knots; 8 m/s), with northwesterly winds on Sunday (10-15 knots; 5-8 m/s).

Please note the following restrictions on all SeaWiFS imagery derived from CoastWatch.

1. Data are restricted to civil marine applications only; i.e. federal, state, and local government use/distribution is permitted.
2. Image products may be published in newspapers. Any other publishing arrangements must receive GeoEye approval via the CoastWatch Program.



Satellite chlorophyll image and forecast winds for May 11, 2007 06Z with cell concentration sampling data from April 30-May 8 shown as red squares (high), red triangles (medium), red diamonds (low b), red circles (low a), orange circles (very low b), yellow circles (very low a), green circles (present), and black "X" (not present). For a list of cell count data providers and a key to the cell concentration categories, please see the HABFS bulletin guide: [http://www.csc.noaa.gov/crs/habf/habfs\\_bulletin\\_guide.pdf](http://www.csc.noaa.gov/crs/habf/habfs_bulletin_guide.pdf)

Verified HAB areas shown in red. Other bloom areas shown in yellow (see p. 1 analysis for interpretation).